



# **ACTIVE TRANSPORTATION PLAN**

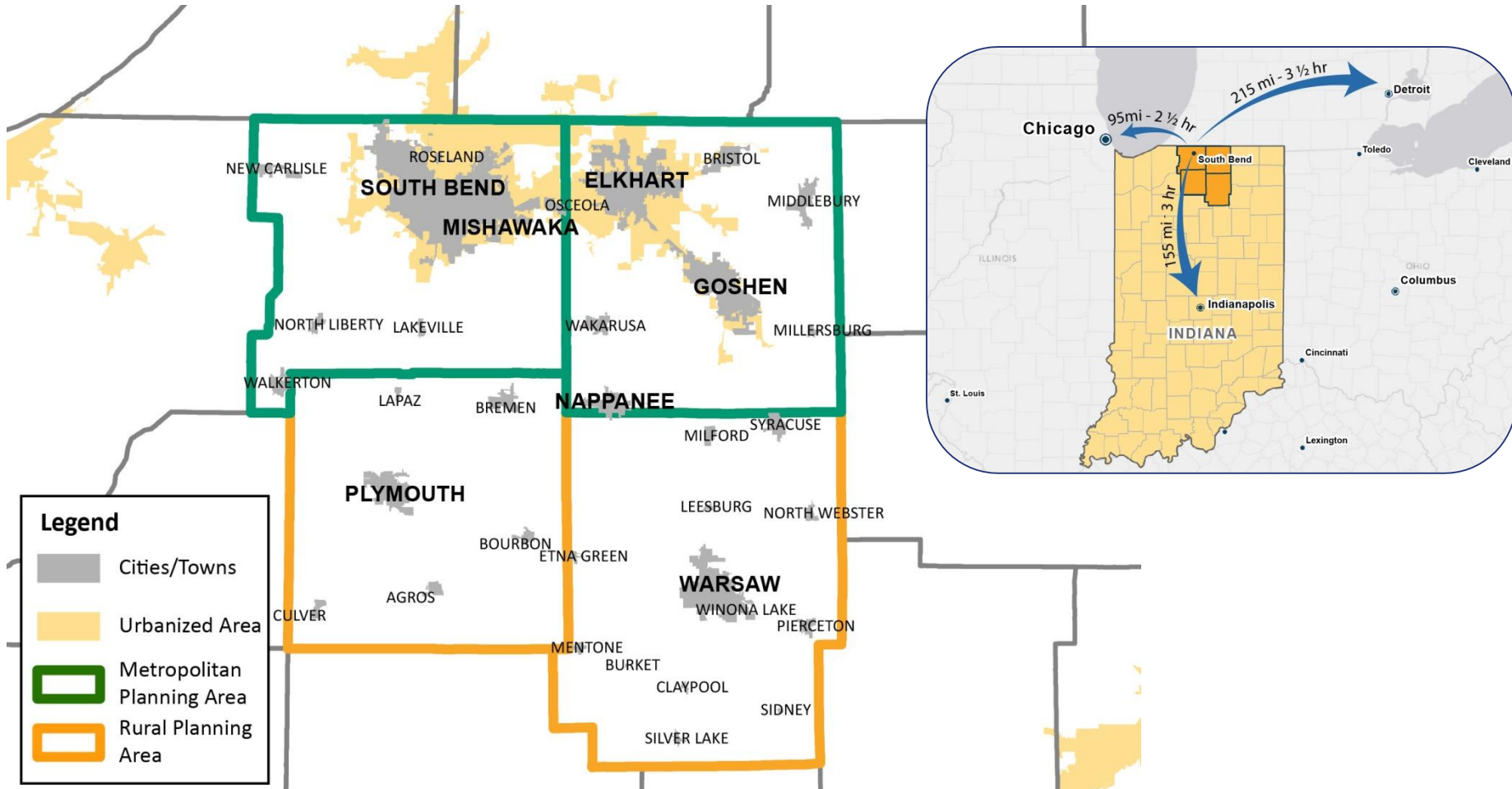
## **One Step at a Time**

March 9, 2016

10:00 am

Purdue Road School

# Who We Are



# Purpose of an Active Transportation Plan

- » Serve as MACOG's overall strategy for funding and implementing active transportation facilities and programs



# Purpose of an Active Transportation Plan

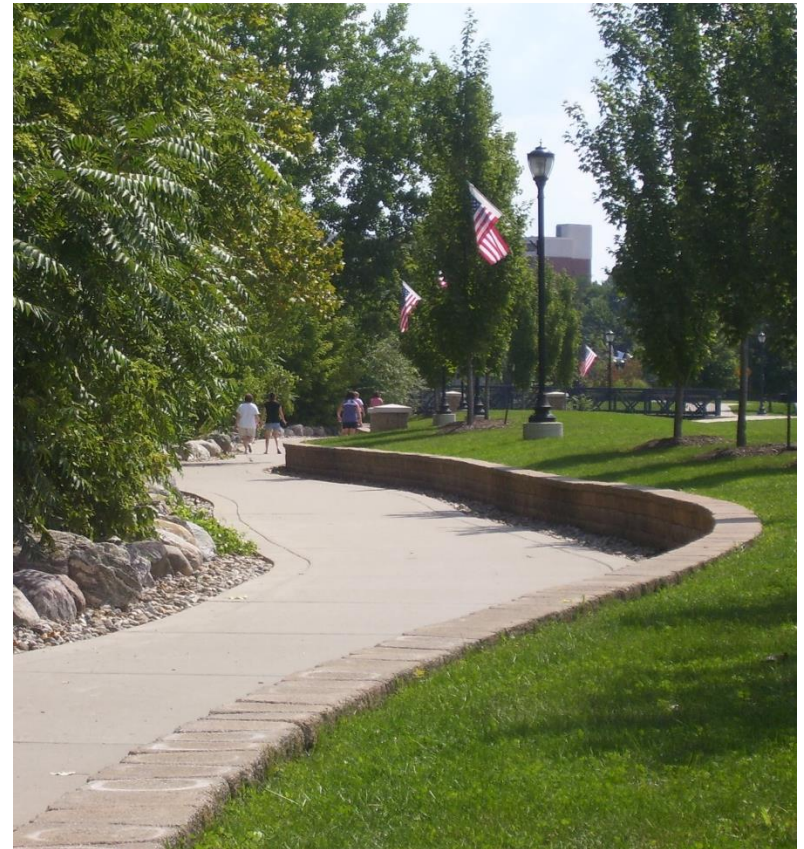
- » Identify needs, resources, and strategies for improving and increasing all active modes of transportation in the region





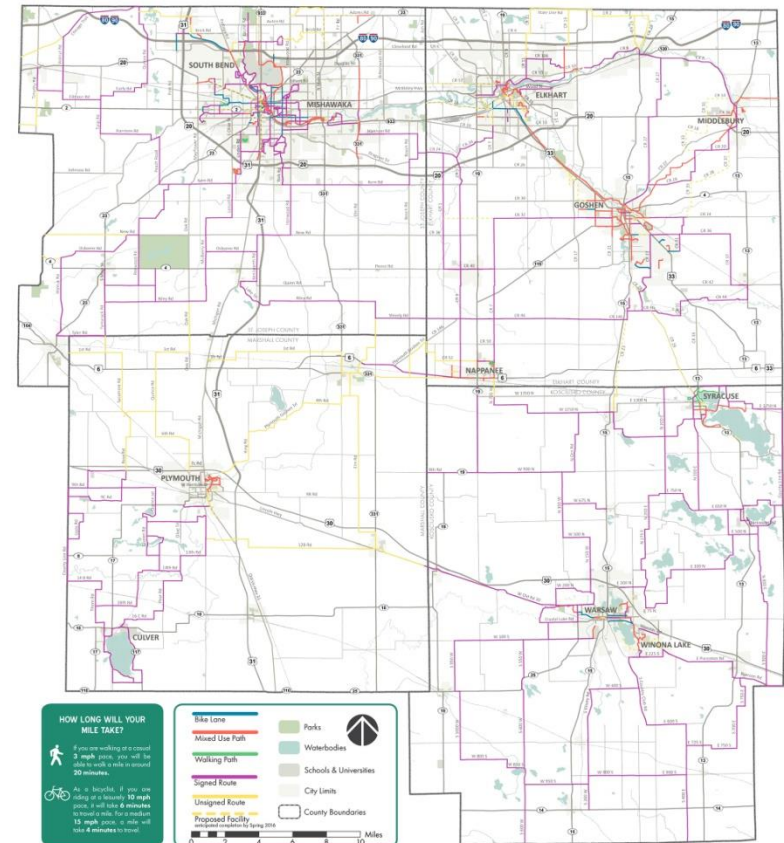
# Purpose of an Active Transportation Plan

- » Realize benefits in access to destinations and services, mobility, quality of life, safety, air quality, health, and economy

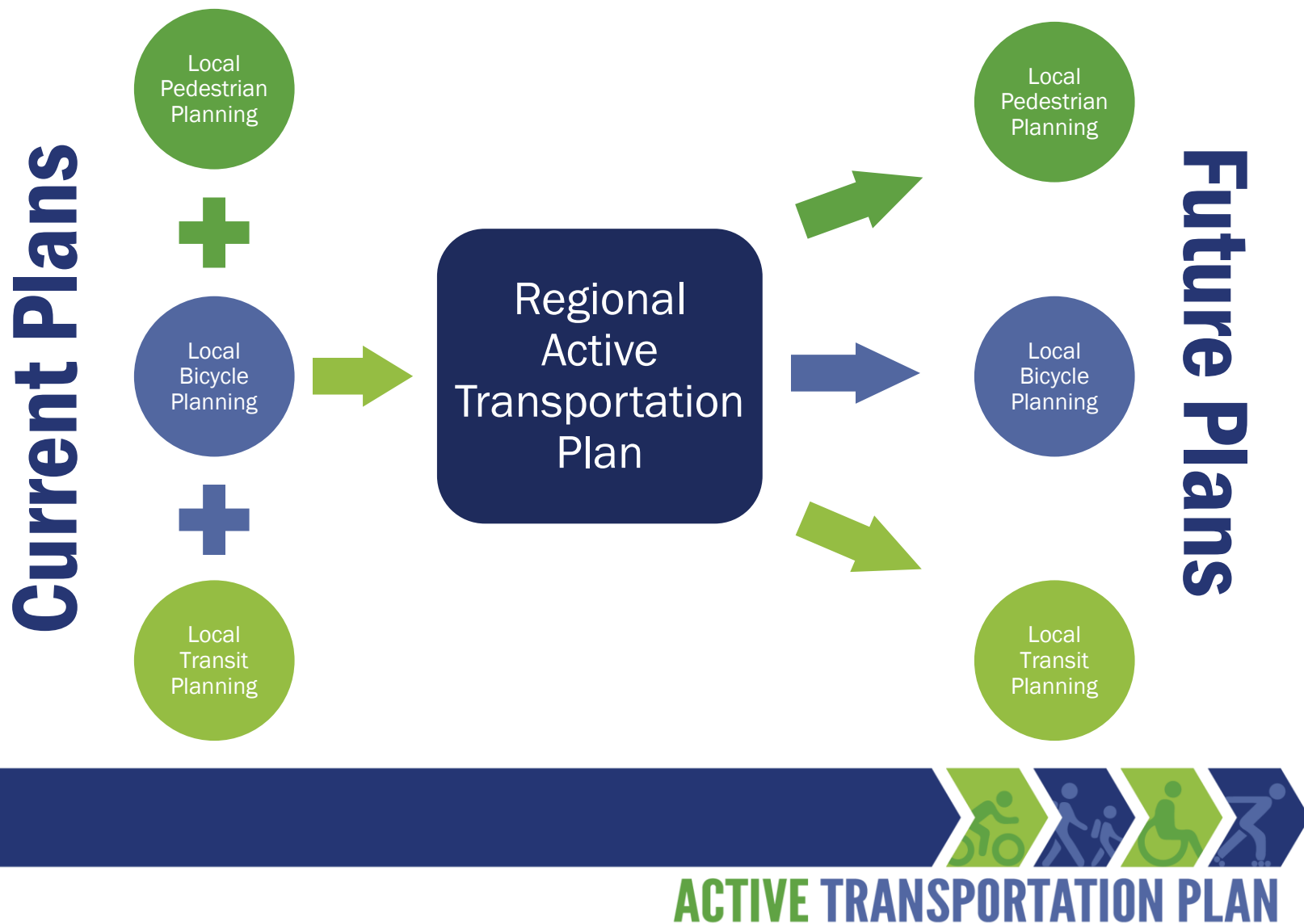


# Purpose of an Active Transportation Plan

- » Provides guidance to support communities in the region that are expanding the bicycle and pedestrian network



# Integration of Local and MACOG planning



# PLANNING PROCESS

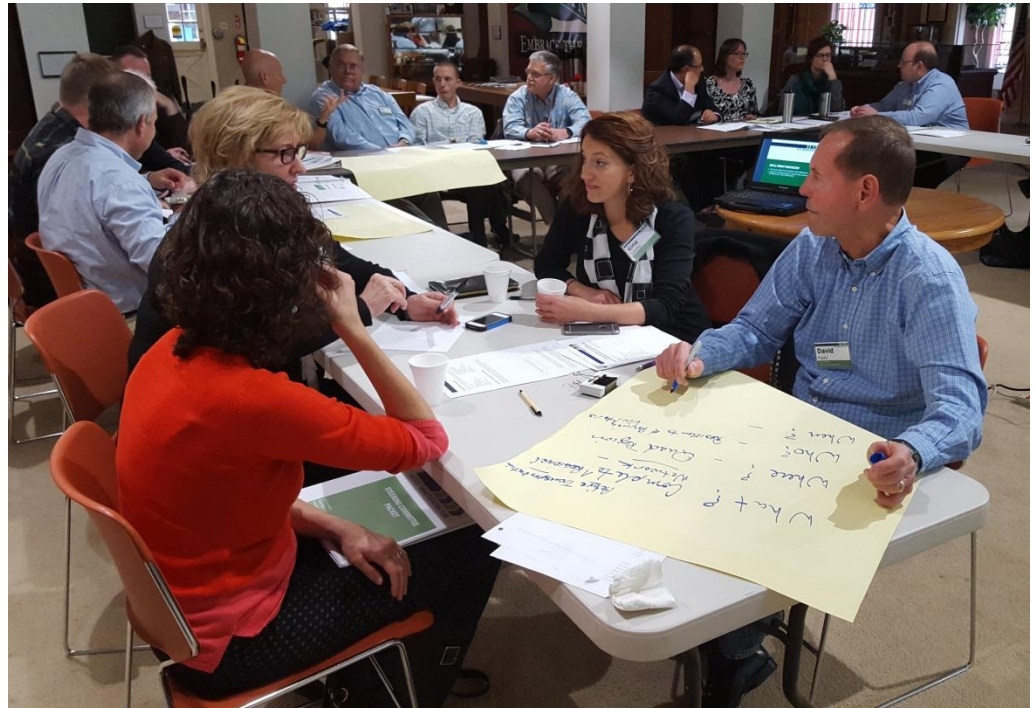
- » Advisory Groups
- » Timeline
- » Goals



# Advisory Groups

## Steering Committee

- » Guide the planning process
- » Shape focus & deliverables
- » Technical review
- » Approve plan for Public Review



# Advisory Groups

## Focus Group

- » Provide support to the Steering Committee
- » Generate ideas, recommendations, strategies
- » Familiarize and promote plan in their communities

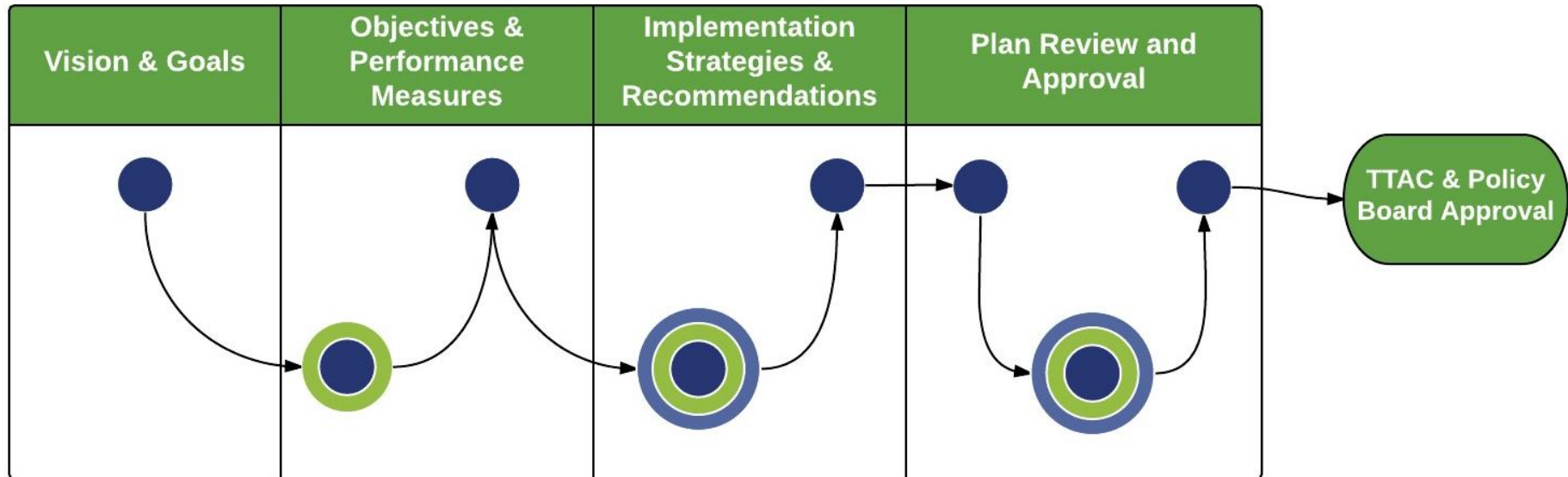


# LPA Meetings

- » Update communities on the Regional Active Transportation Plan
- » Identify current projects and plans
- » Brainstorm priority projects



# Timeline



# Active Transportation Plan Goals

Connectivity

Accessibility

Culture

Health

Safety

Quality of  
Place

# **PUBLIC ENGAGEMENT**

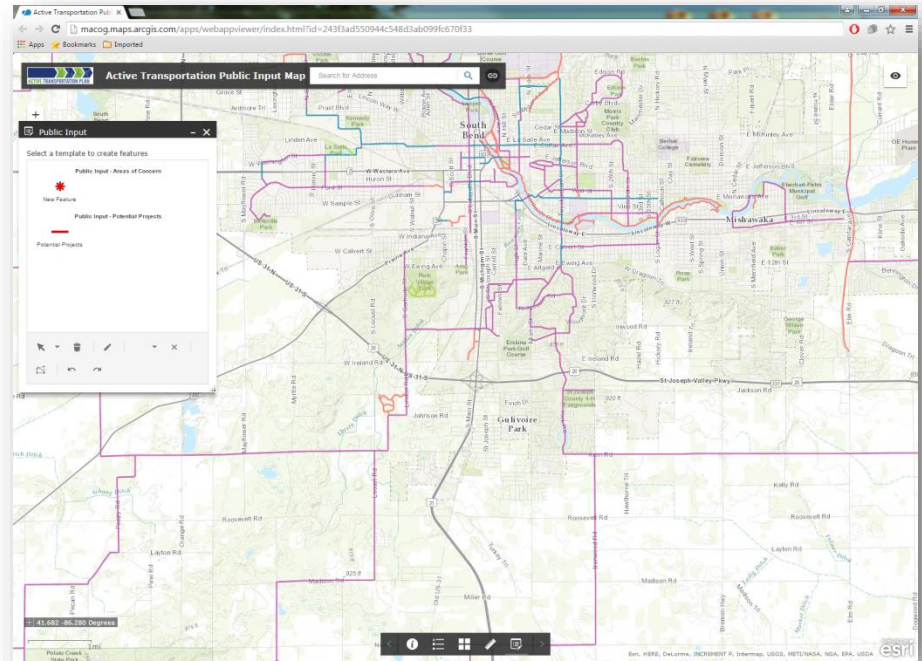
- » Sharing Thoughts
- » Spread the News



# Survey

## ACTIVE TRANSPORTATION PLAN

## Interactive Map



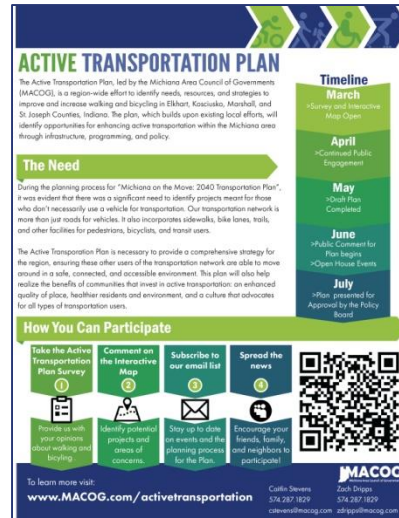
**[www.macog.com/activetransportation](http://www.macog.com/activetransportation)**



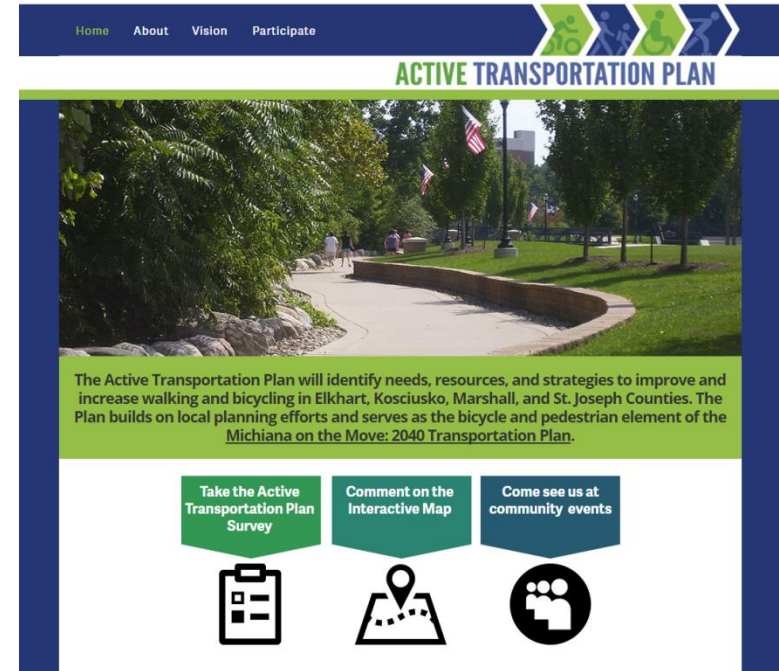
# Spread the News

## POSTCARDS

## FLYERS



## WEBSITE



## EVENTS

# 1st Fridays



## SOCIAL MEDIA

## **DATA ANALYSIS**

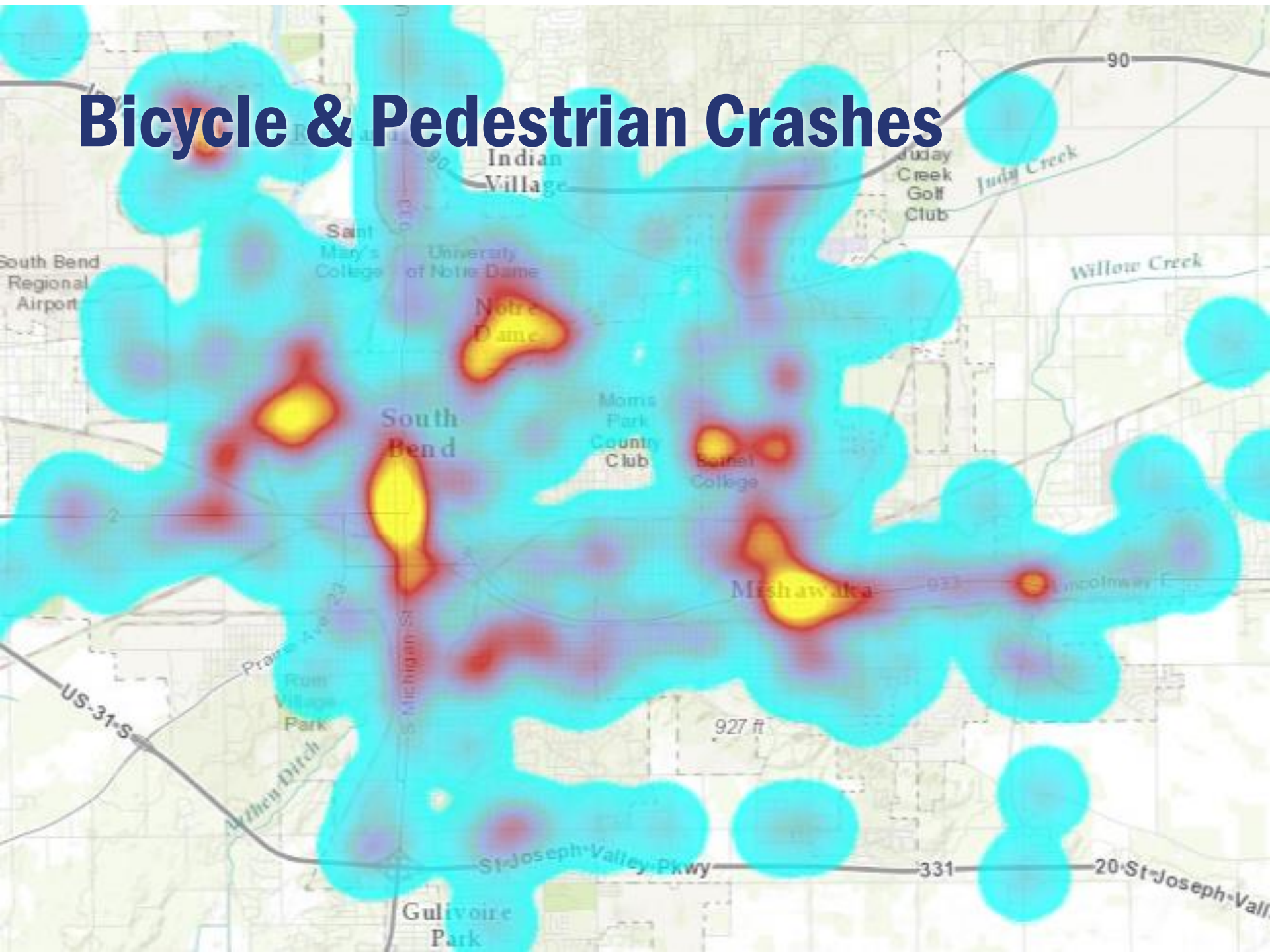
- » Bicycle & Pedestrian Crashes
- » Bicycle Level of Traffic Stress Analysis
- » Demand Analysis

# Bicycle & Pedestrian Crashes

- » 2012 – 2014 (3 years) – source ARIES
  - » Currently working on 2015
- » Query for crashes involving cyclist and/or pedestrian
- » Develop a Heat Map to show concentration
- » Analysis Causes/Conditions/Demographics to determine trends



# Bicycle & Pedestrian Crashes



# Bicycle Level of Traffic Stress Analysis

- » Bicyclist level of comfort on roadways
- » Roadway Network Data
  - » Speed limit, number of travel lanes, AADT, and presence and character of bicycle lanes
- » Four Bicycle Level of Traffic Stress



# Bicycle Level of Traffic Stress Analysis

1. Roads that would be tolerable for most children to ride, and also to multi-use paths that are separated from motorized traffic.



# Bicycle Level of Traffic Stress Analysis

2. Roads that could be comfortably ridden by the mainstream adult population.



# Bicycle Level of Traffic Stress Analysis

3. Roads that would be acceptable to current “enthused and confident” bicyclists.



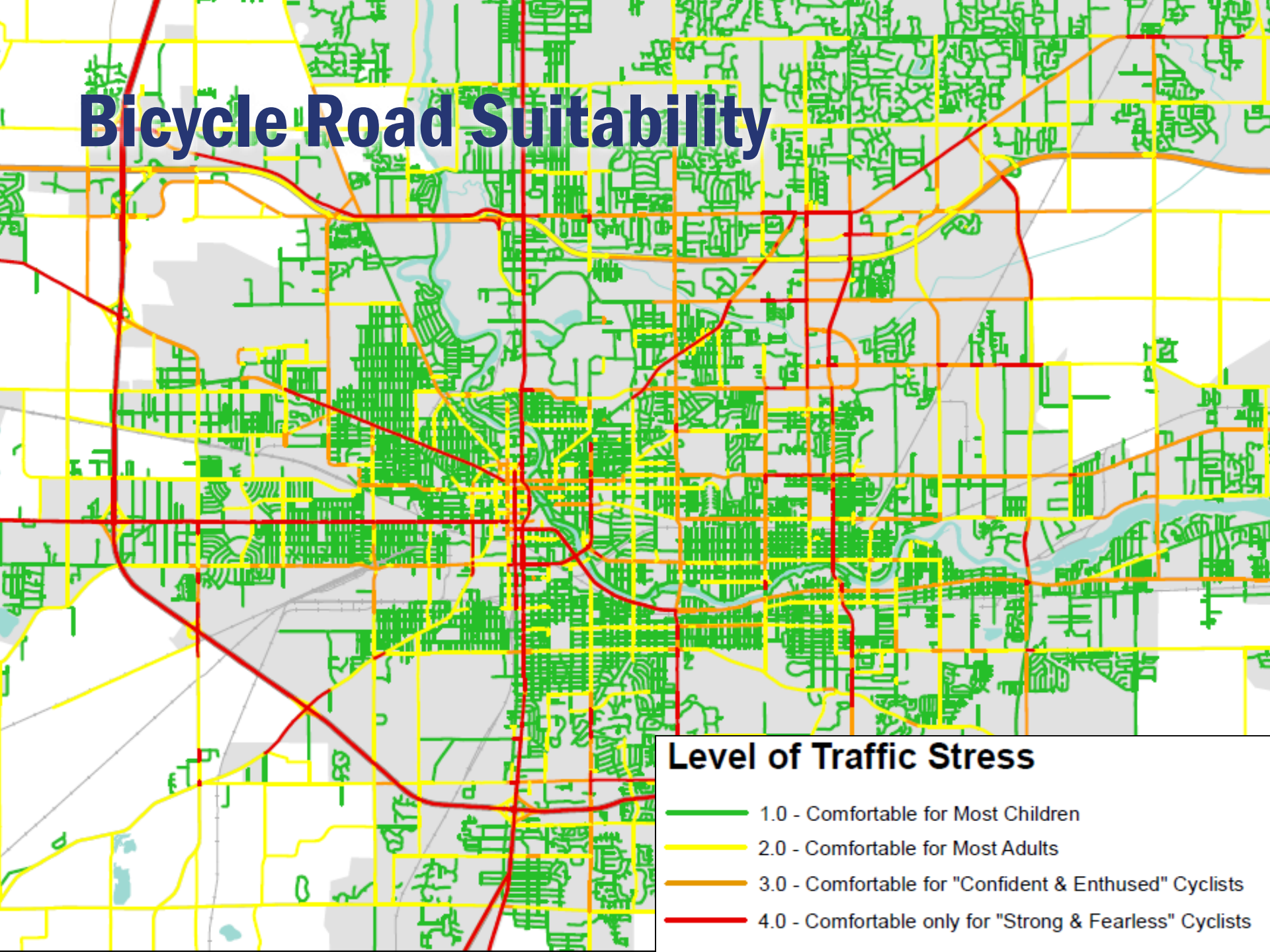
# Bicycle Level of Traffic Stress Analysis

4. Roads that are only acceptable to “strong and fearless” bicyclists, who will tolerate riding on roadways with higher motorized traffic volumes and speeds





# Bicycle Road Suitability



# Demand Analysis

- » Live, Work, Play, Learn Analysis
- » Identifies expected demand for bicycle & pedestrian travel



# Demand Analysis

## Where People

Live

Population Density

Work

Employment Density

Play

Parks  
Retail & Commercial  
Areas

Learn

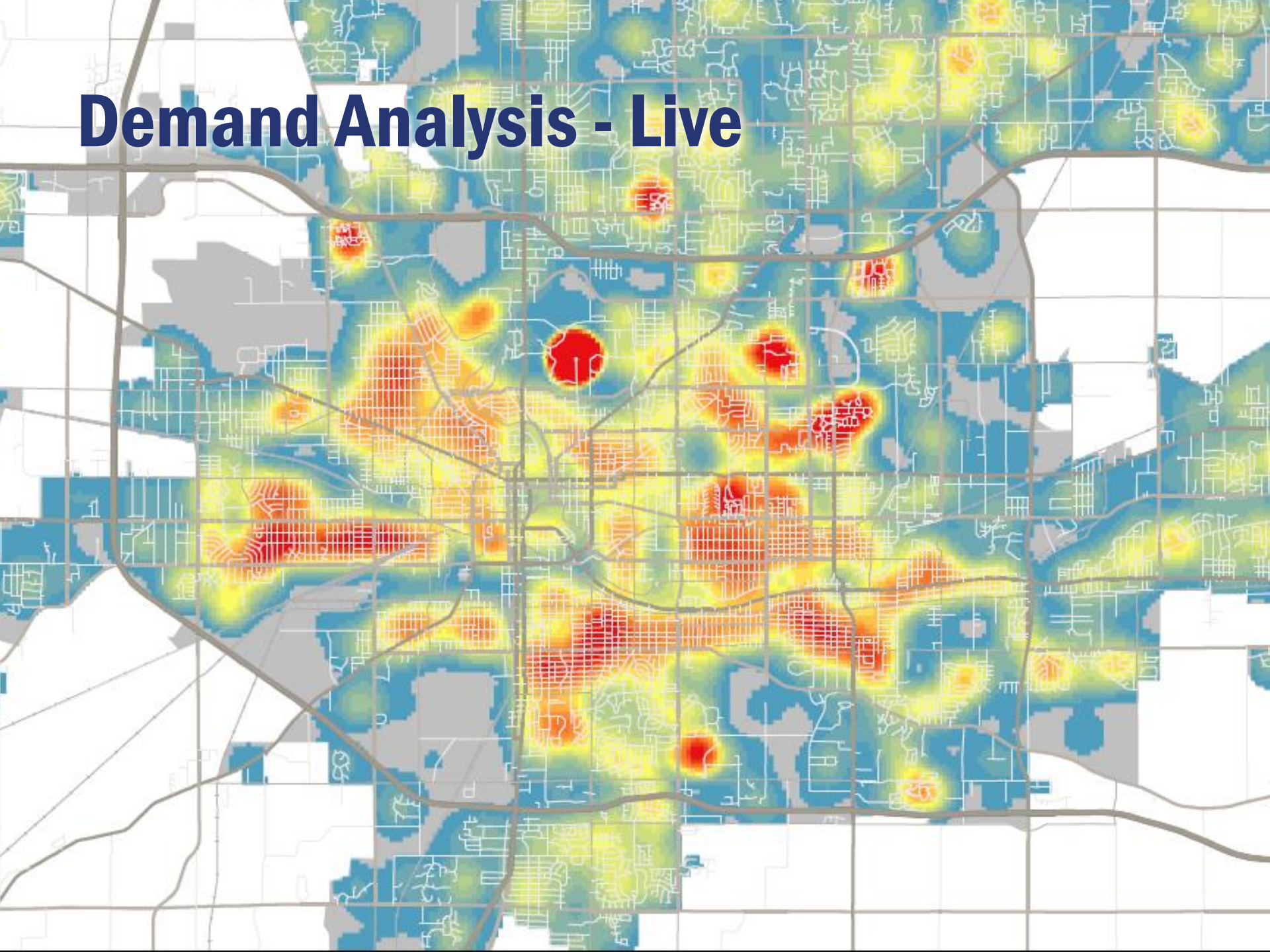
Elementary Schools  
Middle Schools  
High Schools  
Parochial Schools  
Colleges & Universities

Demographics

Land Use Mix

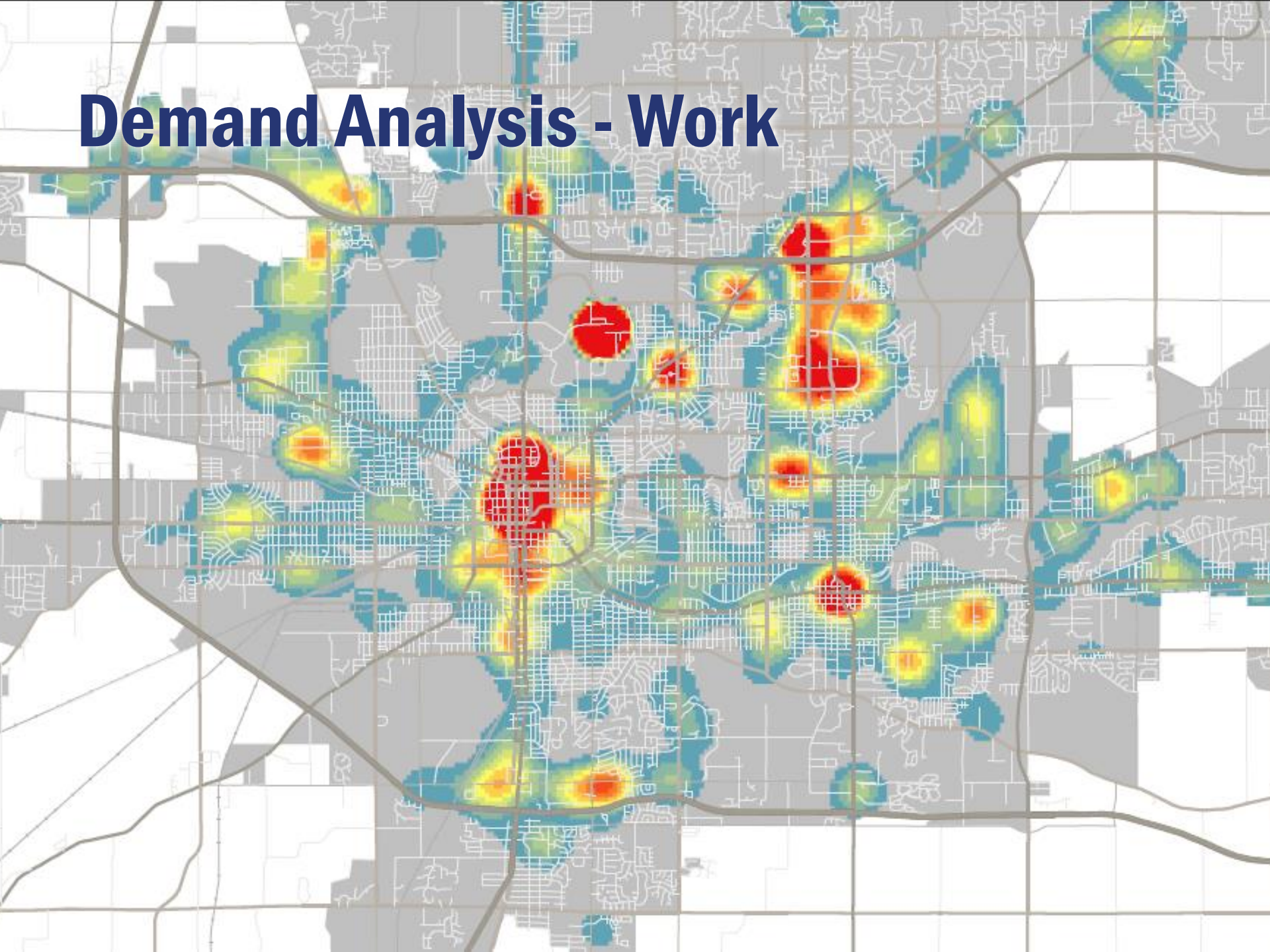
**Demand  
Analysis**

# Demand Analysis - Live



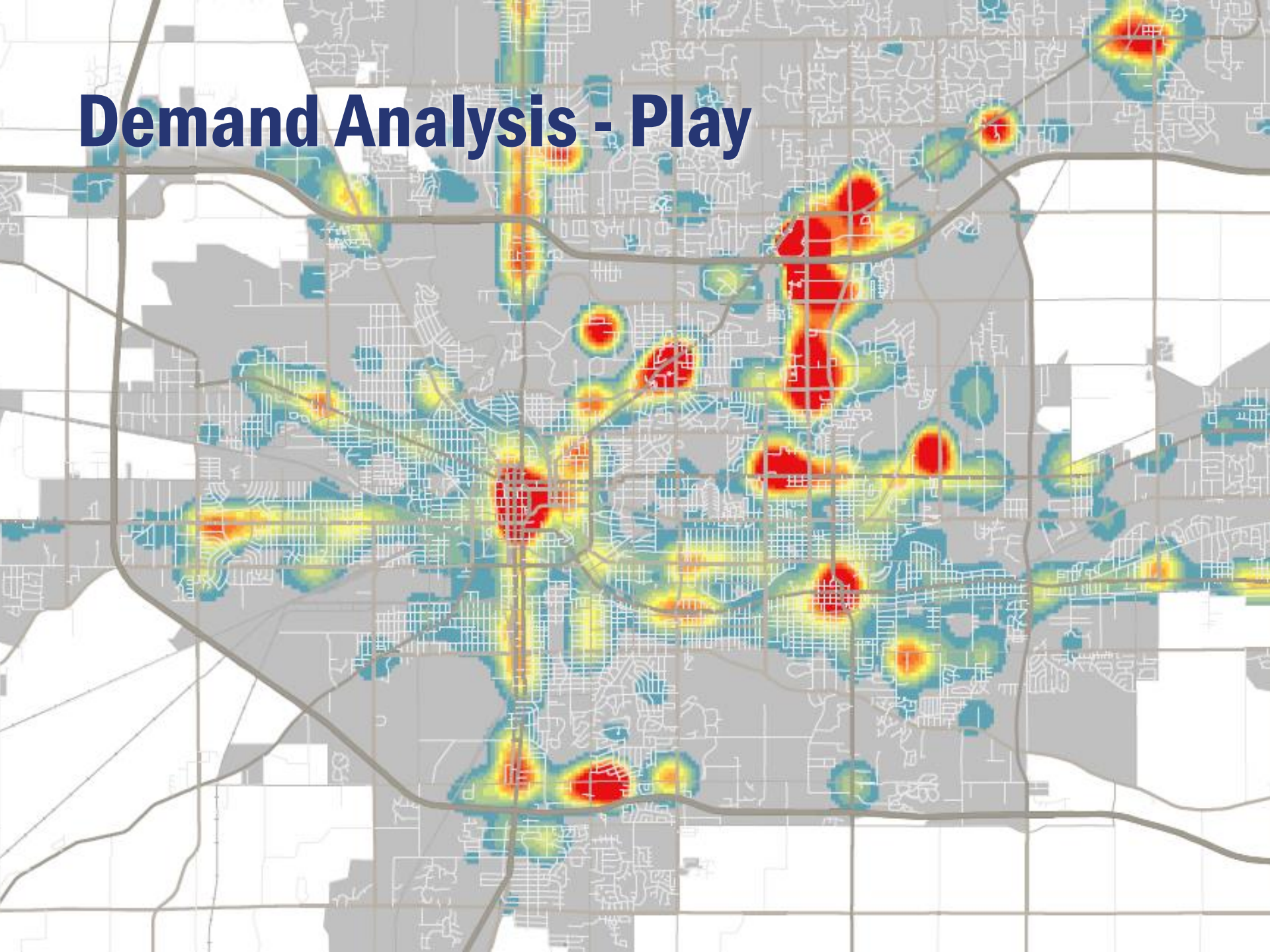


# Demand Analysis - Work



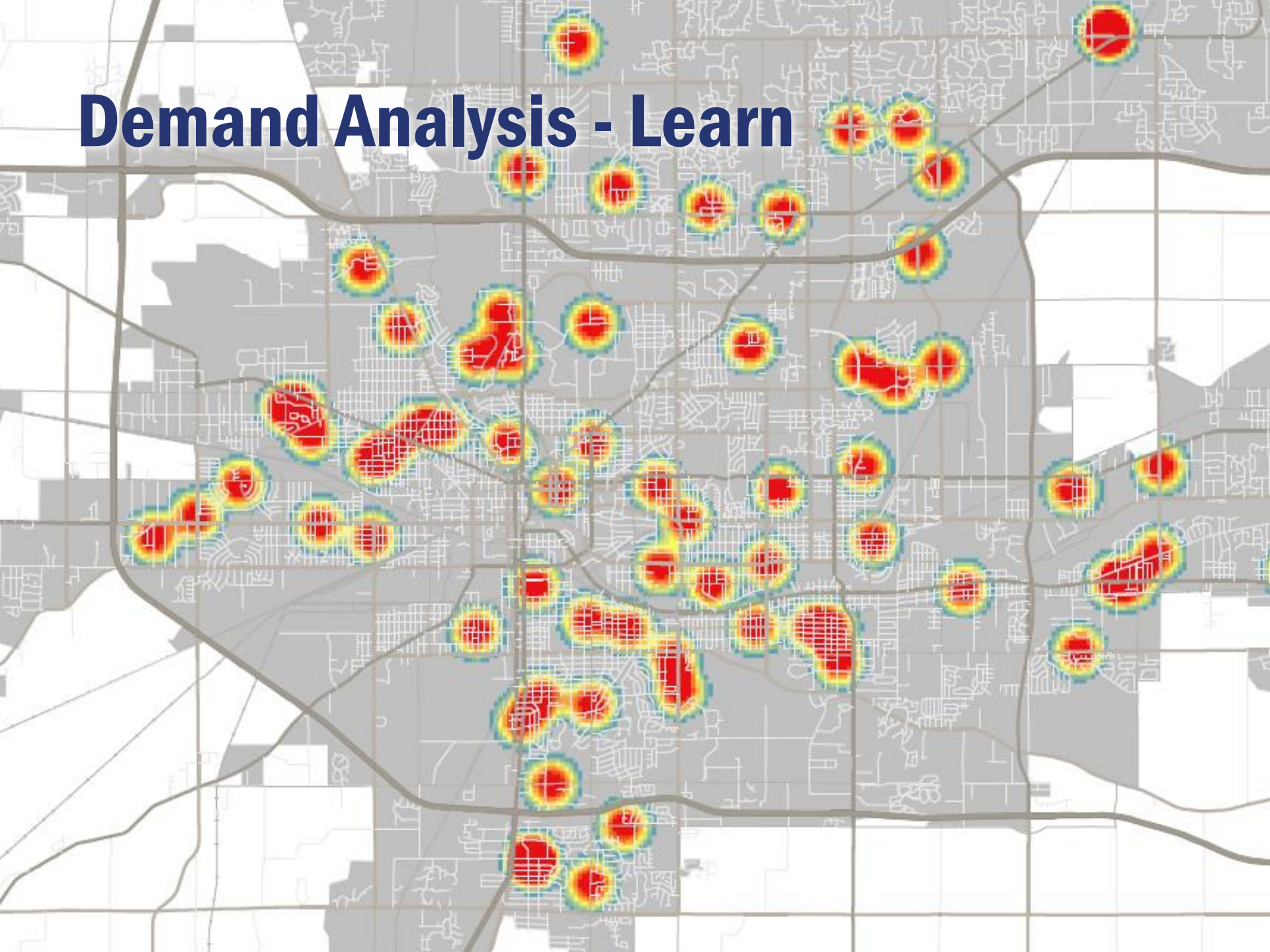


# Demand Analysis - Play





# Demand Analysis - Learn



# Next Steps

- » Refine initial data calculations
- » Overlay the maps to identify potential bicycle and pedestrian projects
- » Work with LPAs to determine local and regional priorities
- » Develop short-term and long-term priority list





# ACTIVE TRANSPORTATION PLAN

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